
SYSTEM AND METHOD FOR RESTORING A FILE SYSTEM FROM BACKUPS IN THE PRESENCE OF DELETIONS

5

ABSTRACT OF THE INVENTION

A system and associated method restore a file system from incremental backups in the presence of deletion, without restoring deleted files. This is accomplished by logging the deletions in a deletion log. Using the deletion log, the system re-deletes the deleted files upon a restore operation to an incremental backup epoch. The system logs deletions so that the files that were deleted and survived a backup epoch have their records logged. The activity log enables an incremental backup from a prior snapshot, and represents a point-in-time version of the file system. The system can either not restore the deleted files, or, alternatively, it can restore the deleted files and then re-deletes them.

10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95